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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

**Yunlong Sun, Brady Nilsen,  
David M. Hemenway, and Lei Sun**

Application No.: 10/611,798

Confirmation No. 5083

Filed: June 30, 2003

Title: **LASER PULSE PICKING  
EMPLOYING CONTROLLED AOM  
LOADING**

Group Art Unit: 2828

Examiner:

Date: October 20, 2004

I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
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ON:

October 20, 2004

Signature  
Connie English  
Typed Name

**TRANSMITTAL LETTER**

TO THE COMMISSIONER FOR PATENTS:

Enclosed for filing in the above-referenced application are the following:

- ☒ Information Disclosure Statement
- ☒ Form PTO-1449
- ☒ Copies of cited references (five)
- ☒ Return-Receipt Postcard

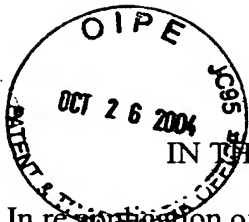
The Commissioner is hereby authorized to charge any fees which may be required in connection with filing of these papers, or credit overpayment, to Account No. 19-4455.

Respectfully submitted,

**Yunlong Sun, Brady Nilsen,  
David M. Hemenway, and Lei Sun**

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Attorney Docket No.: 50001/103:1 USA



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INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to the duty of disclosure, documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.

- ☒ Copies of listed documents are enclosed. (37 CFR § 1.98(a))
- ☐ Copies of listed U.S. patent documents are omitted because this application was filed after June 30, 2003 and is, thus, subject to image file wrapper processing. Copies of listed foreign patent documents and non-patent literature are enclosed.
- ☐ Copies of the documents listed on sheet(s) \_\_\_\_\_ of Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. \_\_\_\_\_, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))

2. ☐ The Examiner's attention is directed to the enclosed copy of copending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, for \_\_\_\_\_, which is cited in this application.

3. This information disclosure statement is being submitted (check box a., b., or c.):

- a. ☒ Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or

- b. ☐ After the period set forth in paragraph 3a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)
- i. ☐ A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed, or
- ii. ☐ A statement specified by 37 CFR 1.97(e) is set forth below; or
- c. ☐ After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).
4. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that:
- ☐ each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

5. ☒ A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

Applicants note that the cited references were cited as background in the enclosed international search report concerning the corresponding International Application No. PCT/US2004/014013. Applicants note that the international search report indicates that U.S. Pat. No. 6,172,325 is very relevant to the claims. U.S. Pat. No. 6,172,325 was cited in a previous information disclosure statement and is discussed in the background section of the subject application.

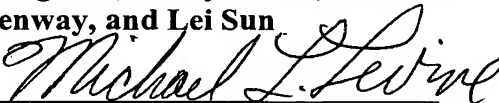
Similarly, U.S. Pat. Pub. No. US2002/003130, cited in the international search report as background, was cited in a previous information disclosure statement as corresponding U.S. Pat. No. 6,574,250.

Applicants also wish to note that reference CA on the Form PTO -1449 corresponds to U.S. Pat No. 6,593,542 and International Publication No. WO 02/05345, which published on January 17, 2002.

The nonpatent references were cited as background in the international search report.

Respectfully submitted,

**Yunlong Sun, Brady Nilsen, David M.  
Hemenway, and Lei Sun**

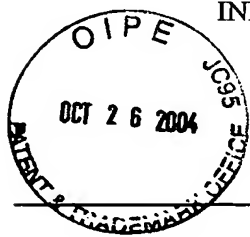
By 

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Attorney Docket No. 50001/103:1

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
50001/103:1APPLICATION NO.  
10/611,798INFORMATION DISCLOSURE CITATION  
(Uses several sheets if necessary)

## APPLICANTS:

Yunlong Sun, Brady Nilsen, David M. Hemenway,  
and Lei SunFILING DATE  
June 30, 2003GROUP  
2828

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	2002/0005396 A1	01/17/2002	Baird et al.	219	121.68	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CB	WO03/052890	06/26/2003	WIPO	H01S	3/10	English	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	CC	International Search Report and Written Opinion concerning corresponding International Application No. PCT/US2004/014013						
	CD	Wang, Y. et al., "Pulse Selection from a Mode-Locked TE CO <sub>2</sub> Laser Output Using a Resonant Acousto-Optic Modulator" Proc. SPIE - Int. Soc. Opt. Eng. (USA), Vol. 3268, Jan. 27, 1998, pages 70-80						
	CE	Balakshy, V. et al., "Compensation of Thermal Effects in Acousto-Optic Deflector" Proc. SPIE - Int. Soc. Opt. Eng. (USA), Vol. 2713, June 26, 1995, pages 164-171						
	AR							

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.